

Application No. 09/739,979
Amendment dated: 4 July 2005
Reply to Office Action of: April 5, 2005

Amendments to the Drawings:

The replacement drawings include a change to Figure 5.

In amended Figure 5, the reference P1(k) has been changed to Px(k).

Attachment: Replacement Sheet
Annotated Sheet Showing Change

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REMARKS/ARGUMENTS

In paragraph 6 of the office action, the examiner objected to Figure 5 and indicated that "P1(k)" should be changed to read "Px(k)". This change has been effected by the amendment to the drawings.

In paragraph 7, the examiner objected to informalities in claims 1, 6 and 9 and sought clarification as to the term "M main coefficients". These claims have been clarified by specifying "an integer number (M) of main coefficient values of the channel impulse response $h(n)$ ".

In paragraph 9, the examiner rejected claims 3, 7 and 10 as indefinite and sought clarification as to (a) the abbreviation "M", (b) the result of step b (since step c performs FFT on it); and (c) what is the result of step c (since step d performs multiplication on it). The foregoing amendments clarify these claims by clarifying that "M" is the integer number of coefficients which are zeroed and by specifying, by name, the results of steps b) and c). In addition, the designation "(M)" has been removed from the expression "inter-symbol cyclic prefix (M)" so as to avoid confusion. In general, M is equal to the length of the cyclic prefix for ADSL applications.

In paragraph 10, the examiner pointed out a lack of an antecedent in each of claims 4, 8 and 11 for the phrase "said second power masker (*sic*) per channel level..." The lack of an antecedent has been met by inserting the word "level" earlier in each claim, thus: "said second power mask per channel level..."

It is submitted that, in view of the foregoing amendments, all claims of record are patentable and early and favourable reconsideration of the application is respectfully requested.

Respectfully submitted,

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Thomas Adams
Thomas Adams, Reg. No. 31,078